

# **Summary and conclusions ....**

## Proceedings:

- Poster and contributed talks will be published as MPE Report  
→ deadline for submission: **July 31. 2006**
  
- Invited review talks and selected papers will be published as Springer Lecture Notes.  
→ deadline for submission: **September 15. 2006**  
→ Prel. title: ***Neutron Stars and Pulsars, 40 years after the discovery***
  
- Page limits and more details will be communicated next week by email. LaTeX style files will be made available on the conference website next week.

**<< Talks and posters will be on the WEB early next week >>**

**If you don't know what to do in August.....**

# ON THE PRESENT AND FUTURE OF PULSAR ASTRONOMY

Joint Discussion at the IAU General Assembly in Prague 2006

**Wednesday 16 (full day) & Thursday 17 (a.m.) August 2006**

**Coordinating Divisions:** XI

**Participating Divisions/Commissions:** 31, 33, 40 & 44

## **Scientific Organizing Committee**

Jonathan Arons (USA), Werner Becker (Germany, Chair), Kwong Sang Cheng (China, Nanjing), Ocker C. de Jager (South Africa), Janusz A. Gil (Poland, co-chair), Nobuyuki Kawai (Japan), Michael Kramer (UK), H. Jan M.E. Kuijpers (Netherlands), Roger W. Romani (USA), Bronislaw Rudak (Poland), David J. Thompson (USA), and Vladimir V. Usov (Israel/ Russian Federation)

## **Proceedings' Editors**

W.Becker (Chief Editor), Bronislaw Rudak, Janusz A. Gil

## **Contact person**

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## Wednesday morning: August 16, 2006

- 9:00 - 9:40 **Radio emission properties of pulsars (observation)**  
Dick Manchester
- 9:40 - 10:20 **New results from rotating radio transients (RRATs)**  
Maura McLaughlin
- 10:20 - 11:00 **Optical and X-ray emission properties of pulsars**  
Patricia Caraveo
- 11:00 - 11:20 **Coffee break**
- 11:20 - 12:00 **Gamma-ray and TeV emission properties of pulsars and pulsar wind nebulae**  
Ocker C. de Jager
- 12:00 - 12:40 **Pulsar timing and its future perspective**  
David Nice

## Wednesday afternoon: August 16, 2006

- 14:00 - 14:40 **Radio emission theories of pulsars**  
Vladimir Usov
- 14:40 - 15:20 **Theory of high energy emission from pulsars: Any gaps**  
K.S. Cheng
- 15:20 - 16:00 **Poster rapporteur**  
Duncan Lorimer
- 16:00 - 16:20 **Coffee break**
- 16:20 - 17:00 **On the theory of radio and high energy emission from pulsars: Where to go?**  
John Arons
- 17:00 - 17:40 **Cooling neutron stars: the present and the future**  
Sachiko Tsuruta
- 17:40 - 19:00 **Poster session**

**Thursday morning: August 17, 2006**

- 9:00 - 9:40 **Search for gravitational waves from neutron stars**  
Ingrid Stairs
- 9:40 - 10:20 **Future radio observatories for pulsar studies**  
Michael Kramer
- 10:20 - 10:40 **Coffee break**
- 10:40 - 11:10 **Poster rapporteur**  
NN
- 11:10 - 12:00 **Future optical and X-ray observatories for pulsar studies**  
Werner Becker
- 12:00 - 12:40 **Future Gamma-ray and TeV observatories for pulsar research**  
David Smith
- 12:40 - 13:00 **Summary and concluding remarks**

**Deadline for early registration:**

**May 31, 2006 (see *IAU website*)**

**Some impressions**

**from the excursion .....**



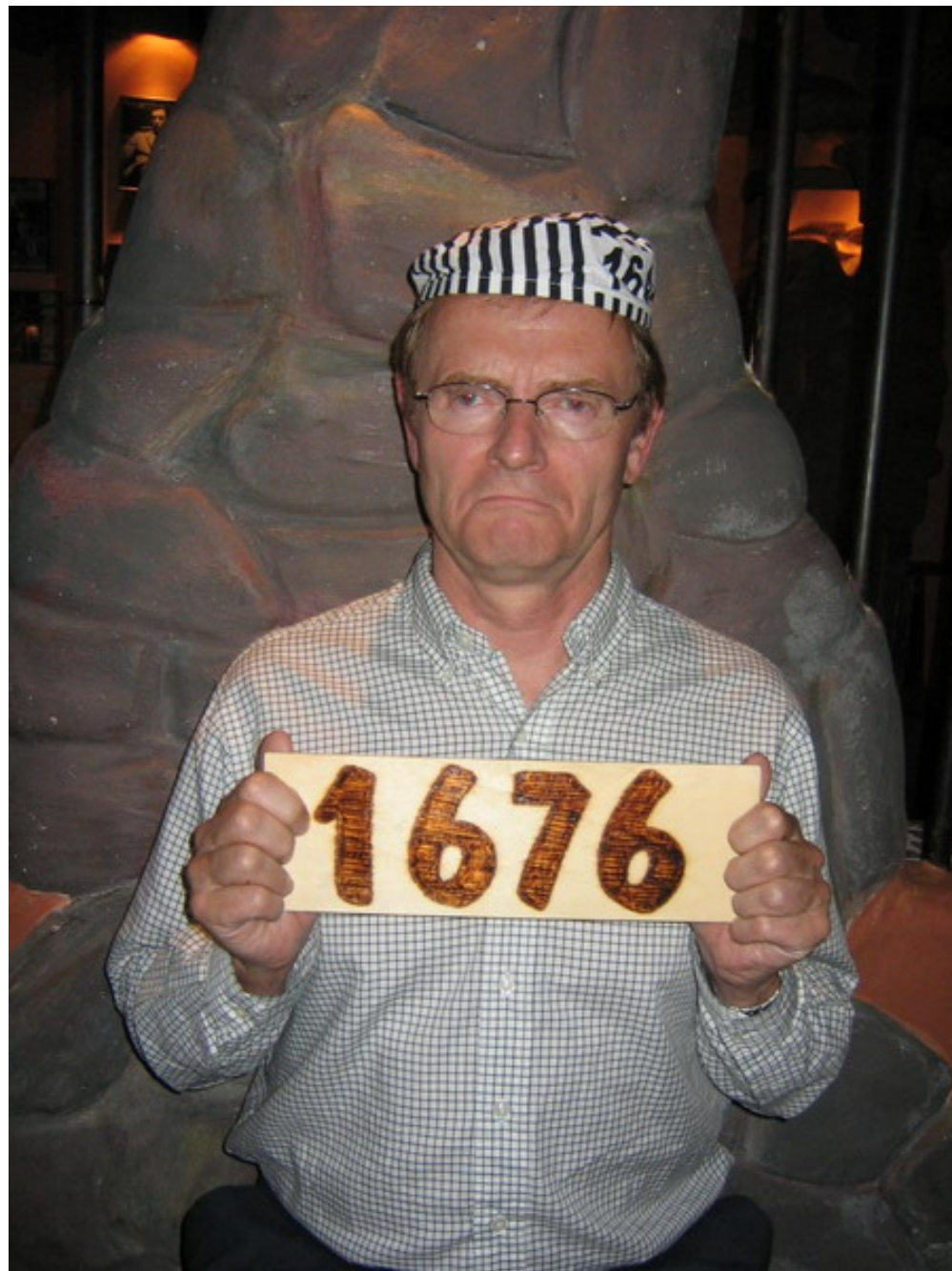
















































































... *I know,*

*it was an exhausting meeting ....*



**Finally ...**

**special thanks to all helpers  
behind the scenery:**



**Christa Ingram**



**David Hui**



**Regina Huang**



**Progress Report  
and  
Conference Summery**

After 40 years of hard work .... and decades of  
fund raising ....

After 40 years of hard work .... and decades of fund raising .... the minimal consensus is:

Neutron stars are .....

SOMETIMES PULSATING, BEAMED, HOT  
MAGNETIZED  
COMPACT  
ROTATING  
OBJECT  
WHICH RADIATES, SOMETIMES

How can we improve the  
situation ?



**Kevin Hurley**

**all we need is a.....**

- more detailed theory
- more observations
- 30 years of more data

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**... so let's continue !**



***Thanks for  
coming !***

***and***

***have a safe  
trip home !***